

## **FIRE SAFETY AWARENESS**

Electricity

- 1 ) Know the electric load required in your Clinic/Hospital with all your equipments and gadgets
- 2 ) Know the load given to your establishment
- 3 ) DO NOT EXCEED THE LOAD GIVEN
- 4 ) Earthing should be proper
  - Earth Leak Circuit Breaker –ELCB -> COMPULSORY FOR ALL
- 5 ) Proper maintenance and servicing of all your Electrical Equipments (even Electric Switches) once a year by an Electrician

**Extinguishers : 3 Types**

- 1 )Simple CO2 Extinguisher
- 2 ) Water type Extinguisher
- 3 )Clean Agent Extinguisher

- 1 )Simple CO2 Extinguisher or Clean Agent Extinguisher
  - Perfect for small Clinics (Consulting room with waiting area)
  - No Beds

- 2 )Water type Extinguisher
  - a) Pour distil water in it
  - b) 9 litres of water capacity
  - c) Can spray water up to 6 m. Distance
  - d) If pressure dial -> see that indicator is in green area
  - For small Hospitals having 10-20 beds

**Fire Retardant Tapestry**

- Use of Fire Retardant Tapestry for

- a) Curtains
- b) Bed sheets

(Available at Arvind Mill Shops with 10% more price than normal linen)

### **Sprinklers**

( approx. Rs. 250/- per piece)

\*For ICU's & Rooms having False Ceiling or poor Ventilation

→ Water pipes attached to the head of the sprinkler -> the bulb bursts when temp.>57 c -> water starts sprinkling.

### **Hose Reels**

In Hospitals more than 3 floors, Hose Reels to be installed.

→ It is connected with water supply of sprinkler pipes and Pressure pump

→ Every Floor -> 1200 m. Of area -> one Hose Reel to be installed (costs approx – Rs. 10,000/- each).

### **Heat & Smoke Detector**

It is should be installed in :

1 ICU

2 Operation Theatres

3 X-Ray Room

4 CT Scan, MRI & Sonography rooms

\*It should be

- a) UL Listed (Under righter Lab Listed)
- b) NFPA approved (National Fire Protection Association)
- c) BIS -approved (Bureau of Indian Standard)

→ Any one of them

No. Of Smoke detectors to be installed depends on area of the room & the ceiling

->\*The door of each Room and passage should be wide enough for easy movement of Bed/equipments.

### **\*Proper Ventilation in ICU**

- The windows should not be sealed.
- Easy access to open the windows should be possible.

### **\*Training of Staff**

The staff should be trained to

- 1) Create Ventilation in Emergency
- 2) To use Extinguisher
- 3) Calling fire Service

### **Battery Bank**

- Battery Banks do not have fuse
- 10% overated fuse at the level of the –ve & +ve ends should be installed

### **Fire Resistant Materials**

AVOID USE OF :

- 1) Thermocol
- 2) Plastic lining
- 3) Plastic Curtains
- 4) U-foam
- 5) Plywood
- 6) Fiber

### **Material that can be used**

- 1) Gypsum Board

2) Bison Sheets

3) Hard Wood

4) Metal